



TROPICAL STORM ELSA BRIEFING

7:00 AM ET

Thursday, July 8, 2021

What has changed: Tropical Storm Warnings Issued for portions of the local Tri-State area.

Next Briefing: Thursday, July 8, at 6pm EDT

Disclaimer: The information contained within is time-sensitive. Do not use after 6:00pm EDT Thursday.



Situation Overview

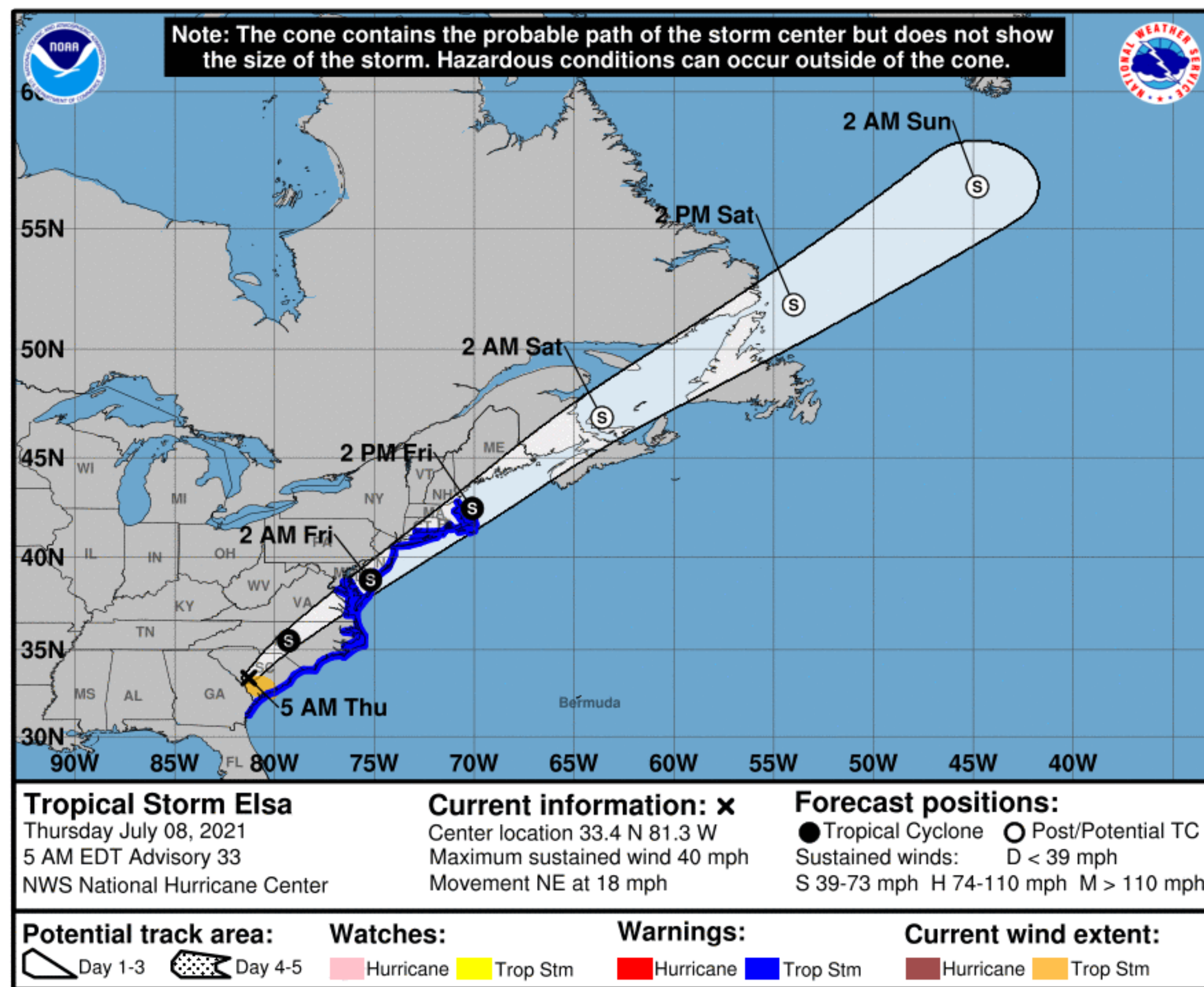
Tropical Storm Elsa

- Tropical Storm Elsa is forecast to track northeast, inland through the Mid Atlantic States tonight, and then off the New Jersey coast and near or over the Tri-State coast Friday morning.
- A period of heavy rain, rough marine and surf conditions, and dangerous rip currents are expected this afternoon into Friday Afternoon.
- A period of tropical storm force winds is possible across Long Island and SE CT late tonight and Friday morning.



Situation Overview

Tropical Storm Elsa



- The official track of Elsa has it tracking over or very near the local Tri-State coast Friday morning as a weak Tropical Storm.
- A Tropical Storm Warning is now in effect for most of Long Island and SE CT.

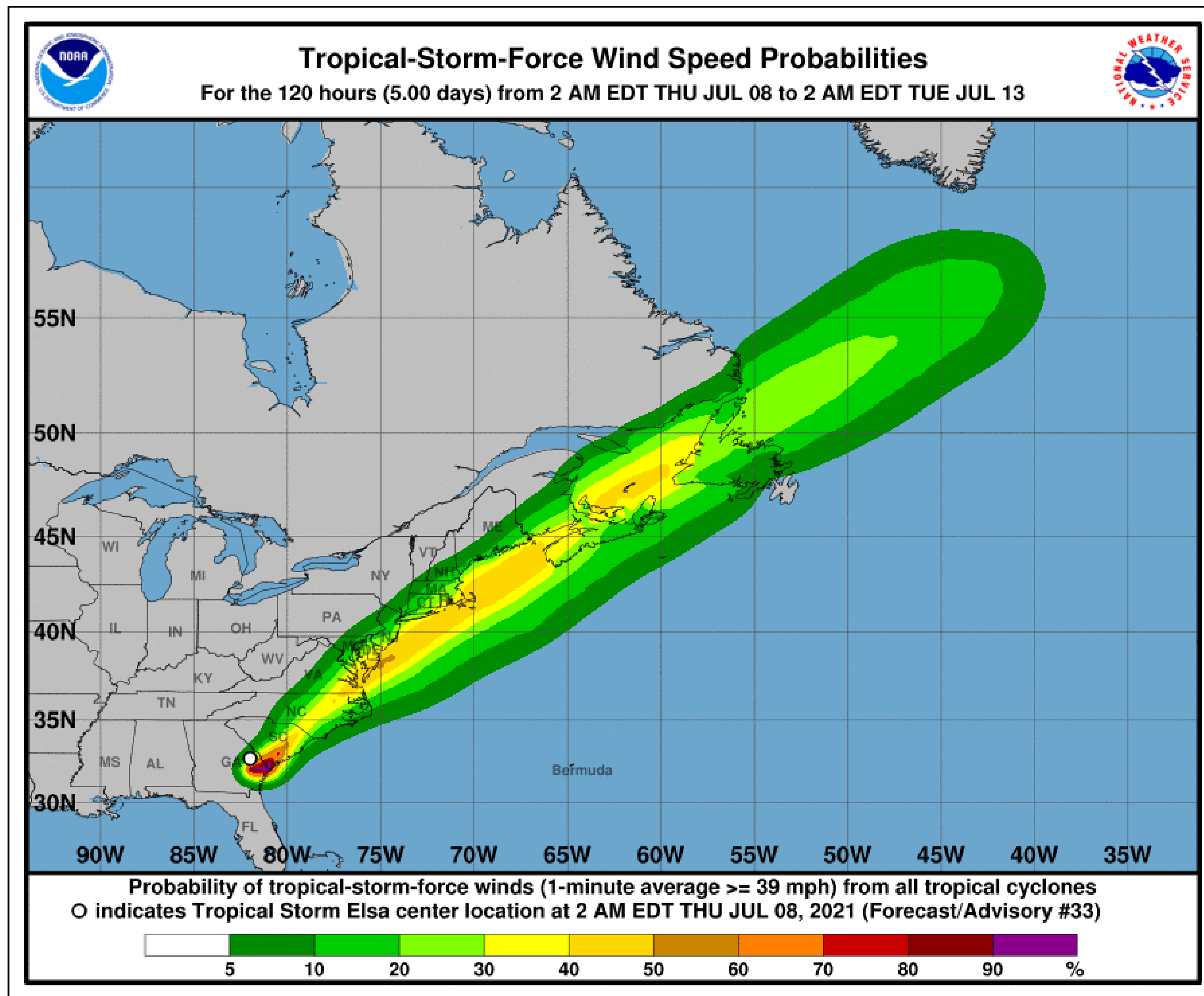
NOTE: Do not focus on the exact track.

Impacts can occur well outside the area enclosed by the cone.



Tropical Storm Wind Speed Probabilities

Tropical Storm Elsa

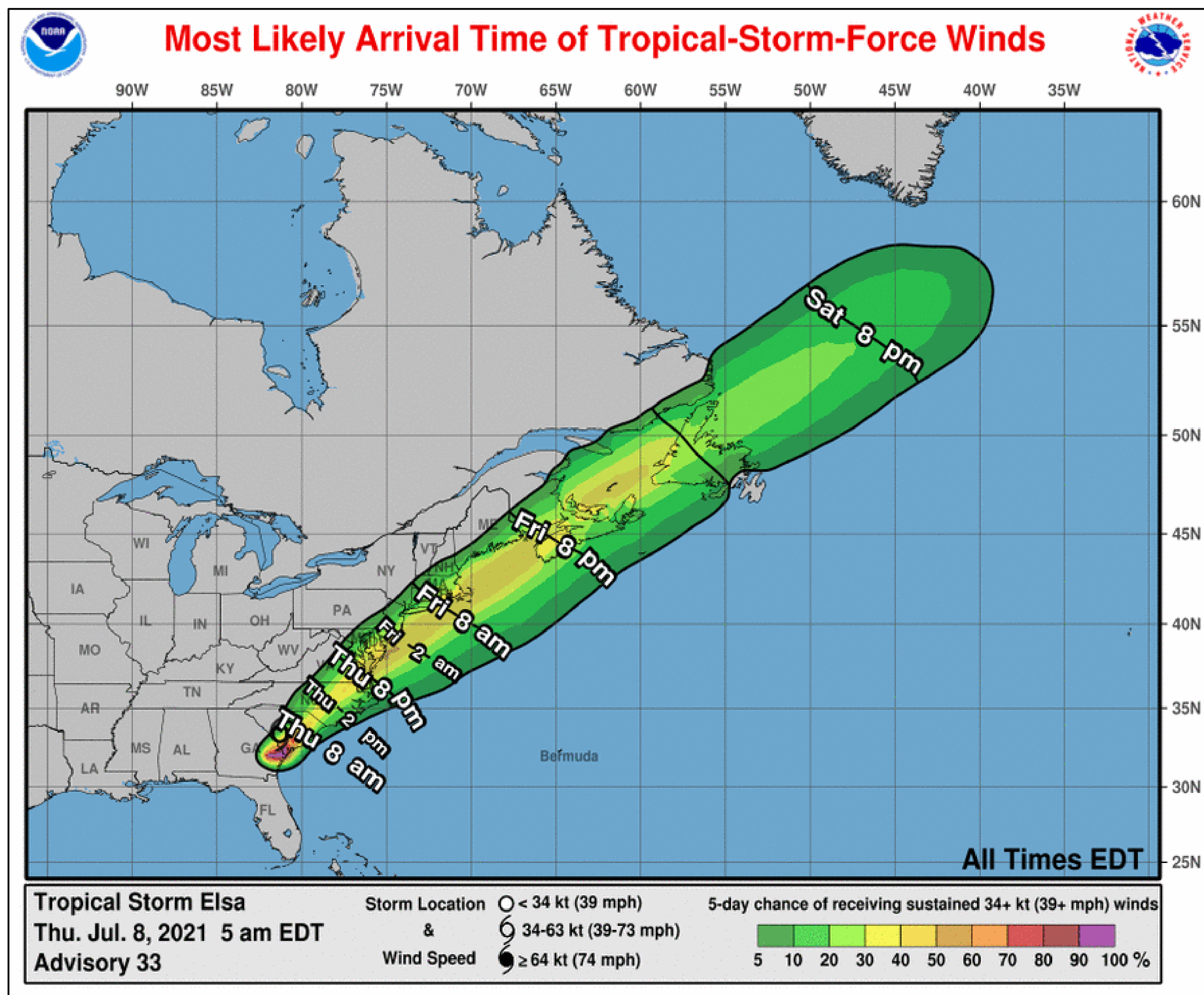


- There is a 2 in 10 chance of sustained weak Tropical Storm force (39+ mph) winds across Long Island and SE CT late tonight into Friday morning.
 - The probabilities are less to the north and west of this area.
- A brief period of south to southeast winds of 35 to 40 mph with gusts to 50 mph are possible for portions of Long Island and possibly SE CT late tonight into Friday morning.



Most Likely Time of Arrival

Tropical Storm Elsa



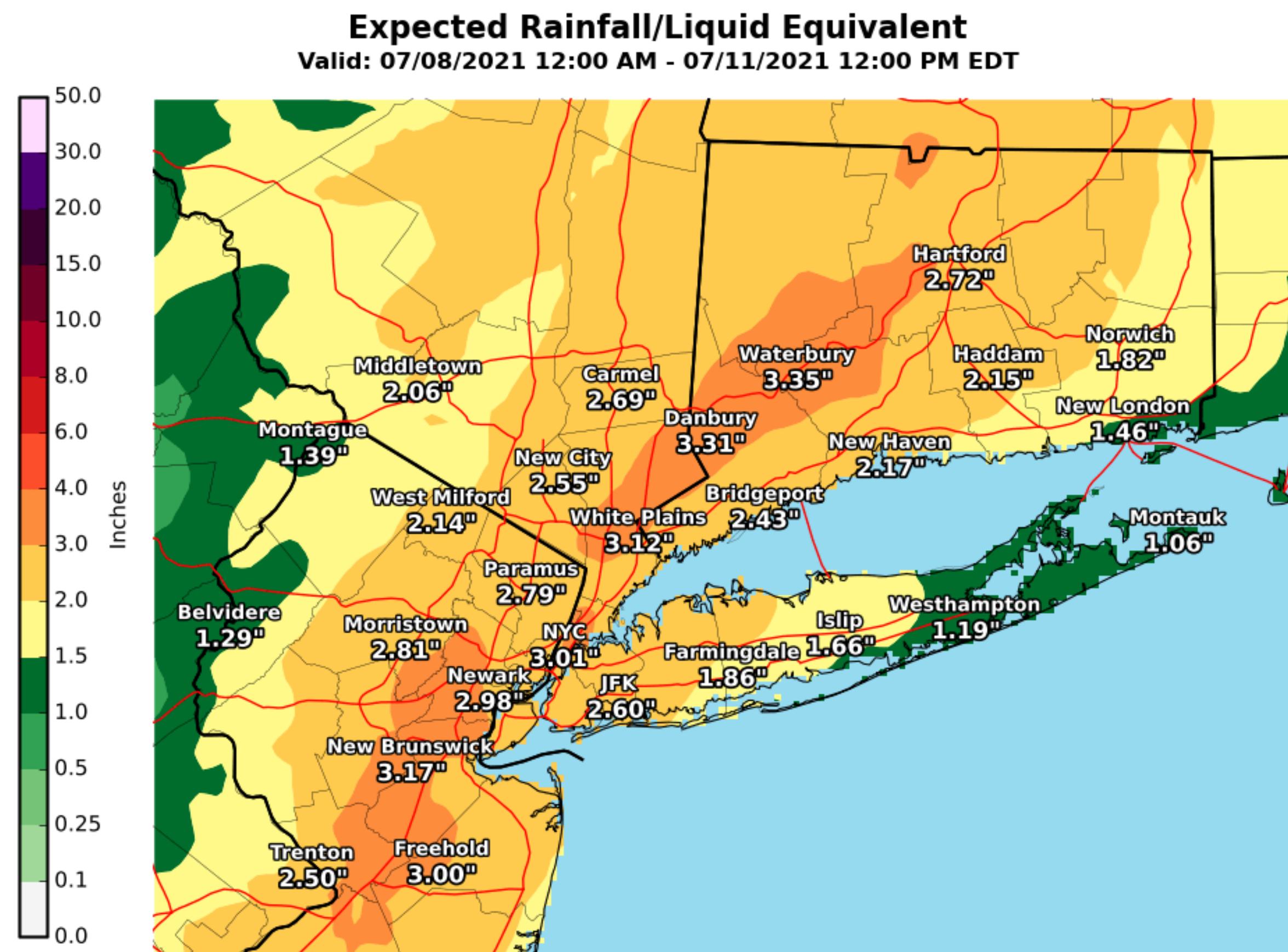
- The most likely time of arrival of weak Tropical Storm Force Winds for Long Island and SE CT is early Friday Morning.
- However, this area could see weak Tropical Storm Force Winds start as early as late tonight.



Expected Storm Total Rainfall

Tropical Storm Elsa

Note: There will likely be locally higher amounts



- Storm Total rainfall forecast of 1 to 3 inches, with locally higher amounts, likely tonight through Friday Afternoon.
 - Heaviest amounts from NYC metro and points N, NW and NE.
- Most of this rainfall will occur during the 2 am to 12 pm Friday timeframe.



National Weather Service
New York NY
07/08/2021 04:04 AM EDT

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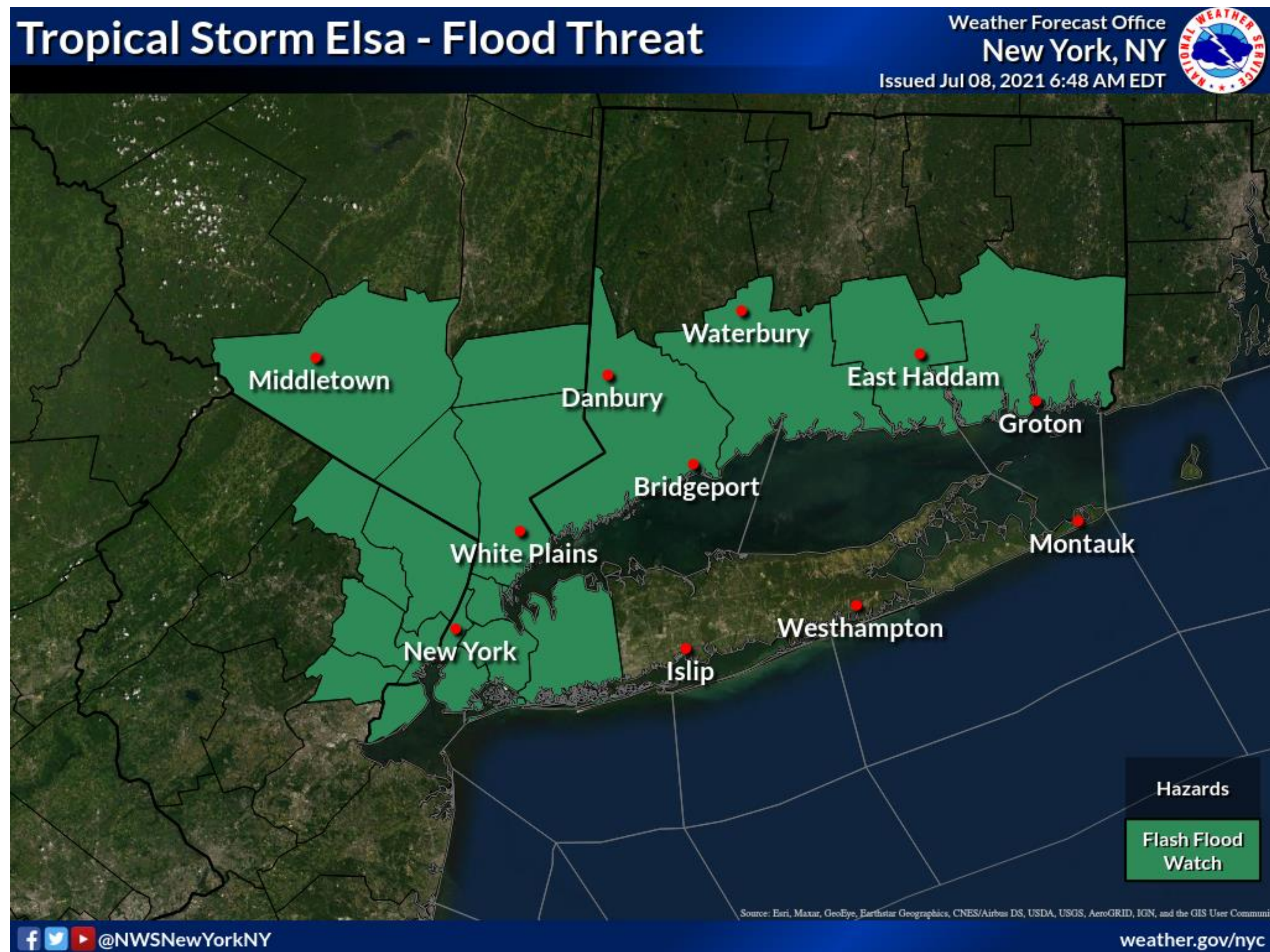


weather.gov/nyc



Excessive Rainfall Outlook

Tropical Storm Elsa

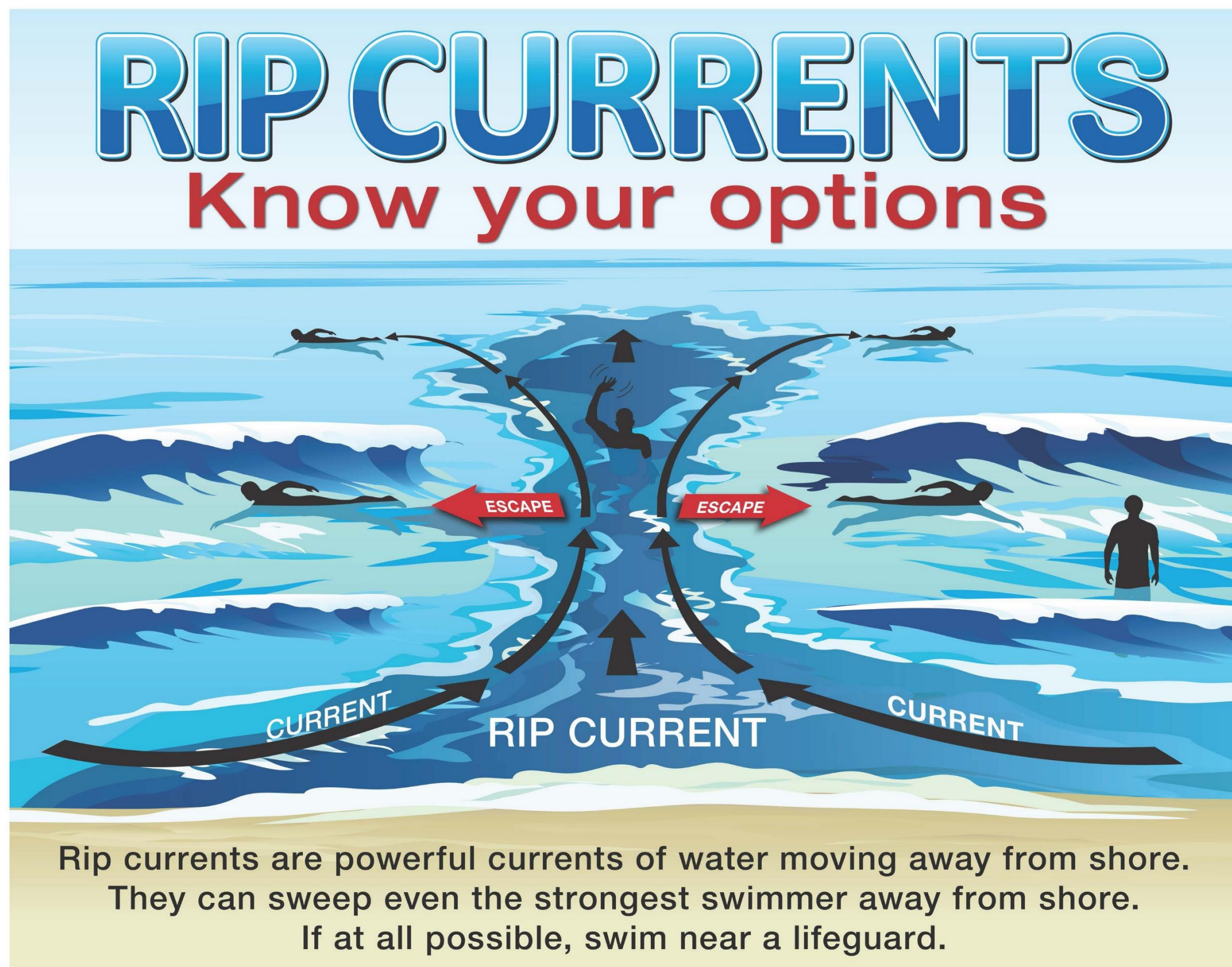


- Scattered areas of urban and poor drainage flash flooding are possible during the late tonight through Friday morning.
- Rapid rises and potential flooding on a few quick responding smaller rivers and streams is possible as well.
- Before then, there will an isolated flash flood threat this afternoon and evening, mainly NW of NYC.



Coastal/Shoreline Impacts

Tropical Storm Elsa

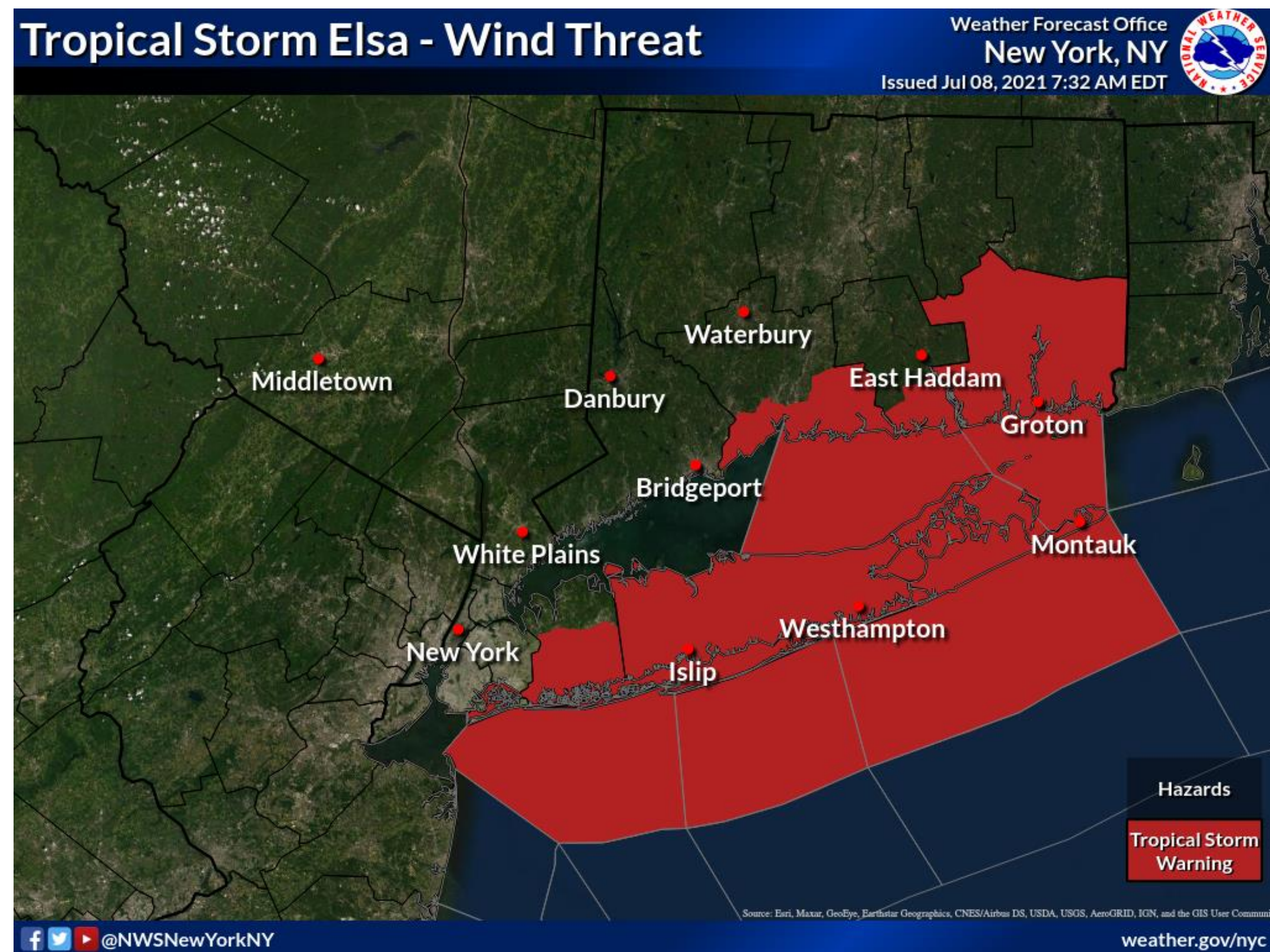


- **Rip Currents** - Dangerous rip currents are expected through Friday.
- **High Surf** - High surf of 6 to 9 ft is possible tonight into Friday Night along the ocean beachfront.
 - Beach flooding and beach erosion are possible, particularly during the times of high tide Friday morning and Friday Night.
 - Dune impacts are expected to be minimal.
- **Localized Minor Coastal Flooding** - A reasonable worst case scenario would be for localized minor coastal flooding (inundation of less than 1 ft) in typically vulnerable Great South Bay of Long Island, lower NY Harbor, and S Westchester and Southern CT coastal locales.



Marine Impacts

Tropical Storm Elsa

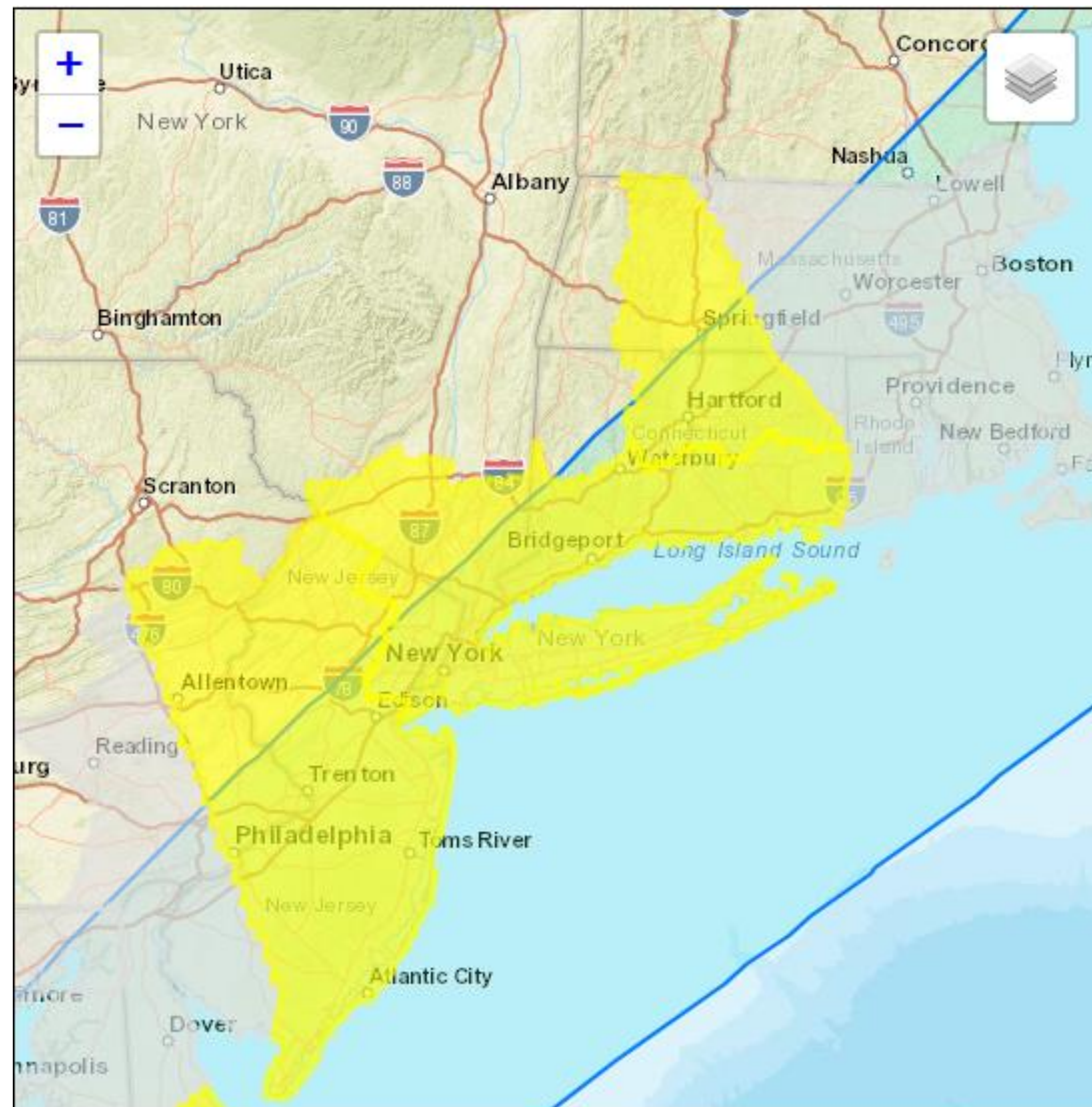


- **Winds** - Weak tropical storm force winds (25 to 35 kt gusts to 45 kt) are possible late tonight into early Friday afternoon.
- **Seas** – Seas will likely build to 6 to 9 ft on the ocean waters, highest east of Moriches Inlet Friday morning, before subsiding Friday Night.



Tornado Potential

Tropical Storm Elsa



Tornado Threat

Potential for outbreak of tornadoes	Potential for many tornadoes	Potential for several tornadoes	Potential for a few tornadoes	Tornadoes not expected
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- There is potential for a few severe thunderstorms this Aft/Eve, for NYC and points N&W. An isolated tornado is possible.
- With Elsa, an isolated tornado or water spout is possible to the east of its track Friday morning into afternoon.
 - At this point this low risk would be mainly for Long Island, extreme SE CT, and surrounding waters.
- A shift of storm track to the west would shift the tornado threat westward as well.



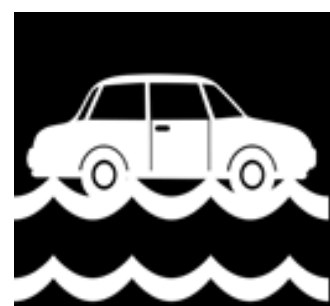
Key Take-Aways

Tropical Storm Elsa

Confidence is high that the event will occur
Confidence is moderate regarding impacts



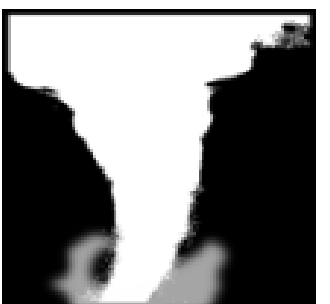
Weak tropical storm force winds possible across Long Island and SE CT late tonight into Friday afternoon.



High surf with beach flooding and erosion possible for ocean beachfront on Friday. Localized minor coastal flooding possible for vulnerable coastal areas.



Localized to scattered flash flooding possible this afternoon into Friday morning.



Isolated weak tornadoes possible this aft/eve with a warm front, and then late tonight into Friday morning with Elsa.



Rough marine conditions expected across the coastal waters tonight through Friday.